

Project Status 1.11 Intermediate Tracker

Rachid Nouicer, for INTT Group

L2 Meeting, April 27th, 2017

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57-v1	Intermediate Tracker (INTT) sPHENIX	Rachid Nouicer	MS Project Files for CD1	13 Mar 2017

Last week, we had a meeting with project managers (Irina, Jim, Bob, Ed and Don) to review INTT WBS. It was very useful meeting:

- 1) The WBS includes all the steps for successful INTT detector construction
- 2) Many good recommendations from the project managers such as:
 - Use Predecessors and successors to ensure that dates overlap properly
 - Before any mass production add a step: “Final Design and Safety Review”
 - Set very clear borders between INTT integration responsibility and BNL responsibility for auxiliary systems and integration
 - Remove BNL responsibility for auxiliary systems and integration from INTT WBS
- 3) Many comments on how to achieve INTT BOE document

INTT WBS

Based on these recommendations, the work on the WBS is in progress:

- Itaru is at BNL, we are planning to work/finalize WBS dates, this afternoon
- INTT managers will have meeting with Ed to discuss the manpower and infrastructure cost

		Ta: Mc	WBS	Task Name	Duration	Start	Finish	Predecessors	Successors	Resource Names	Fixed Cost	Cost
1			1.11.1	INTT Construction	411 days	Mon 5/15/17	Wed 1/9/19					¥0
2			1.11.1.1	Ladder Layer 0	325 days	Thu 8/31/17	Thu 12/20/18					¥0
3			1.11.1.1.1	Design Prototype 1 Module Support	5 days	Thu 8/31/17	Thu 9/7/17		4	TECH3 PO D		¥0
4			1.11.1.1.2	Fabrication Porotype 1 Module Support	5 days	Fri 9/8/17	Thu 9/14/17	3	5	TECH3 PO M		¥0
5			1.11.1.1.3	Silicon Module Prototype 1	20 days	Fri 9/15/17	Thu 10/12/17	4	6			¥0
6			1.11.1.1.4	Silicon Module Prototype 1 Testing	10 days	Fri 10/13/17	Thu 10/26/17	5				¥0
7			1.11.1.1.5	Silicon Module Assembly Prototype 2 (PreProduction)	20 days	Wed 3/7/18	Tue 4/3/18		8	TECH3 PO M[25%]		¥0
8			1.11.1.1.6	Silicon Module Prototype 2 Testing	10 days	Wed 4/4/18	Tue 4/17/18	7	9			¥0
9			1.11.1.1.7	Design Ladder Assembly Fixtures	10 days	Wed 4/18/18	Tue 5/1/18	8	10	TECH3 PO D		¥0
10			1.11.1.1.8	Fabrication Assembly Fixtures	20 days	Wed 5/2/18	Wed 5/30/18	9	11	CRAFT3[10%]	¥300,000	
11			1.11.1.1.9	Ladder Prototype Assembly	20 days	Thu 5/31/18	Wed 6/27/18	10	12			¥0
12			1.11.1.1.10	Ladder Prototype Testing	20 days	Thu 6/28/18	Fri 7/27/18	11	13			¥0
13			1.11.1.1.11	Ladder Production	100 days	Mon 7/30/18	Thu 12/20/18	12			¥3,000,000	
14			1.11.1.2	Ladder Layer 1, 2, 3	411 days	Mon 5/15/17	Wed 1/9/19					¥0
15			1.11.1.2.1	Design Prototype 1 Module Support	5 days	Mon 5/15/17	Fri 5/19/17		16	TECH3 PO D		¥0
16			1.11.1.2.2	Fabrication Porotype 1 Module Support	5 days	Mon 5/22/17	Fri 5/26/17	15	17	TECH3 PO M		¥0
17			1.11.1.2.3	Silicon Module Prototype 1	20 days	Tue 5/30/17	Mon 6/26/17	16,87,111	18			¥0
18			1.11.1.2.4	Silicon Module Prototype 1 Testing	10 days	Tue 6/27/17	Wed 7/12/17	17	19			¥0
19			1.11.1.2.5	Silicon Module Assembly Prototype 2 (PreProduction)	20 days	Thu 7/13/17	Wed 8/9/17	18	20	TECH3 PO M[20%]		¥0
20			1.11.1.2.6	Silicon Module Prototype 2 Testing	17 days	Thu 8/10/17	Fri 9/1/17	19				¥0
21			1.11.1.2.7	Design Ladder Assembly Fixtures	10 days	Thu 4/19/18	Wed 5/2/18		22	TECH3 PO D		¥0
22			1.11.1.2.8	Fabrication Ladder Assembly Fixtures	20 days	Thu 5/3/18	Thu 5/31/18	21	23	CRAFT3[10%]	¥300,000	
23			1.11.1.2.9	Ladder Assembly Prototype	20 days	Fri 6/1/18	Thu 6/28/18	22	24			¥0
24			1.11.1.2.10	Ladder Prototype Testing	20 days	Fri 6/29/18	Mon 7/30/18	23	28,25			¥0
25			1.11.1.2.11	Final Design and Safety Review	5 days	Tue 7/31/18	Mon 8/6/18	24	26			¥0
26			1.11.1.2.12	Complete Design and Production Specification	5 days	Tue 8/7/18	Mon 8/13/18	25	27			¥0
27			1.11.1.2.13	Ladder Design Complete	0 days	Mon 8/13/18	Mon 8/13/18	26	28			¥0
28			1.11.1.2.14	Ladder Production	100 days	Tue 8/14/18	Wed 1/9/19	24,27	29		¥6,000,000	
29			1.11.1.2.15	Ladder Production Complete	0 days	Wed 1/9/19	Wed 1/9/19	28				¥0

Summary

- The WBS is almost done
- BOE document is in progress
- Purdue University group is interested to join INTT/sPHENIX:
 - 10-12 May: RN will visit Purdue University
 - 11 May: RN gives seminar
 - May 11/12, Ed, Akiba, Itaru, RN and Purdue group will have join discussion.